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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|-------------|----------------------|---------------------|------------------|
| 10/575,437 | 04/11/2006 | Dirk Burdinski | GB03 0186 US1 | 1847 |
| 24738 7590 04/07/2008 PHILIPS ELECTRONICS NORTH AMERICA CORPORATION INTELLECTUAL PROPERTY & STANDARDS 370 W. TRIMBLE ROAD MS 91/MG SAN JOSE, CA 95131 | | | | |
| EXAMINER | | | | |
| BANH, DAVID H | | | | |
| ART UNIT | | PAPER NUMBER | | |
| 4193 | | | | |
| MAIL DATE | | DELIVERY MODE | | |
| 04/07/2008 | | PAPER | | |

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/575,437

Applicant(s)

BURDINSKI ET AL.

Examiner

DAVID H. BANH

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-3 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11 April 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SF/ICE)
- Paper No(s)/Mail Date 4/11/2006
- 4) ☐ Interview Summary (PTO-413)
- Paper No(s)/Mail Date ____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: ____

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-3 are rejected under 35 U.S.C. 102(b) as being anticipated by Jacobson et. al. (US Patent 6,517,995B1).

Jacobson teaches a method for patterning a surface of a substrate with an ink, the method comprising the steps of: providing an elastomeric stamp (column 3, lines 24-25, Figures 1A-1D) having a bulk surface (Figure 3A-3I, labels 310, 340 and 370) and at least one feature (column 3, lines 27-30, Figure 1A, label 110) protruding from the bulk surface, the protruding feature (Figure 1A, label 110) having a contact surface (Figure 3G, label 377) and an edge (Figure 3D, label 345) extending from the contact surface (Figure 3G, label 345) to the bulk surface (Figure 3G, label 370), the protruding feature (Figure 1A, label 110) and the bulk surface (Figure 3G, label 370) carrying a barrier layer (column 10, lines 60-62, biological resist layer).

Jacobson teaches applying a solution of the ink and a solvent to the barrier layer (column 4, line 40), removing the solvent (column 4, lines 34-39 provide a method of cleaning, a method by transfer to a substrate is also disclosed) from the barrier layer, providing a first substrate (column 5, lines 35-45) with a surface (column 5, line 20, surface of receiver) having a higher affinity for the ink (column 11, lines 13-15) than the

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barrier layer contacting the contact surface (Figure 3G, label 377) of the protruding feature (Figure 1A, label 110) with the surface, transferring the ink from the contact surface (Figure 3G, label 377) of the protruding feature (Figure 1A, label 110) to the surface of the first substrate (column 5, lines 60-67); removing the elastomeric stamp from the surface of the first substrate with a surface (column 7, lines 29-35) having a higher affinity for the ink than the barrier layer (column 11, lines 13-15), contacting the contact surface of the protruding feature with the surface of the second substrate (column, lines 5-10); and providing the surface of the second substrate with an ink pattern by transferring the ink from the edge of the protruding feature to the surface of the second substrate (column 11, lines 7-15).

For claim 2, Jacobson teaches a step of removing a part of the surface of the substrate being defined by the ink pattern (column 9, lines 55-65).

For claim 3, Jacobson teaches the removal of the surface comprises an etching step (column 9, lines 55-65).

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Schuessler et. al. (US PG Pub 2002/0050220A1) teaches a deformable stamp for patterning a surface.

Deane (US PG Pub 2002/0132398A1) teaches an elastomeric stamp for printing a plurality of layers further comprising an etching step for removing a part of the surface of a substrate.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DAVID H. BANH whose telephone number is (571)270-3851. The examiner can normally be reached on M-Th 7:30AM-5PM Alt. Fri 7:30AM-4PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Taghi Arani can be reached on 571-272-3787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

DHB

/Taghi T. Arani/
Supervisory Patent Examiner, Art Unit 4193
4/2/2008